ETHAN NG
Software Developer

Work Experience

Amazon – *Software Development Engineer Intern*   July – Sep 2020
- Worked on the Tax Service team doing feature development for internal processes
- Developed a React front-end service which provided greater visibility and maintainability of tax data structures using a Serverless Application Model by taking advantage of AWS Lambda, DynamoDB, Cognito, and API Gateway as the backend
- Full product ownership from design to deployment of service

ATB Financial – *Operations Support*   May 2019 – Mar 2020
- Part of the Operations Support team working primarily on process automation to improve internal workflow efficiency
- Implemented projects and scripts primarily in Google Script for repetitive workflows in teams to create time savings of up to an hour per person on the process
- Collaborated closely with banking process stakeholder in an agile development environment to define project needs and specifications

Education

Western University: London, ON   Sept 2017 – June 2021
- Bachelor of Engineering Science, Software Engineering Specialization
- 3.8 GPA
- Relevant courses:
  - Software Design
  - Algorithms & Data Structures for Object Oriented Design
  - Web Technologies
  - Database Management Systems (mySQL)

Projects/Extracurricular

Contagion Simulator
- Built full stack application using react with a Firebase backend
- Web application that simulates propagation of a viral disease throughout the world and uses a map as the graphical interface to display the spread of the disease
- Uses Susceptible-Infected-Recovered-Deceased Model for spread calculations

Music Review Web Application
- Built full stack application using Angular with an Express/Node.js backend leveraging AtlasDB as the database
- Web application that keeps track of music ID3v1 information with the ability to add reviews
- User authentication implemented using JWT

Realistic Racing Game
- Primary Language: C#
- Created a game which simulates physics of a moving vehicle in the unity engine and includes timing loop and intuitive HUD for user information

Contact

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Skills

Industry Experience
JavaScript, React.js, HTML/CSS, node.js, NoSQL, AWS

Others
C++, C#, Java, Python, AngularJS, Android, Swift, Bootstrap

Awards and Scholarships

Dean's Honor List
Achieved with a weighted average >85%

Western Scholarship of Excellence
Obtained with entrance average of 90-94.9%

Alexander Rutherford Scholarship
Achieved academic excellence (average of >80%)

Interests

- Fintech
- AI/ML
- Violin
- Video Games
- Badminton

Currently looking for 2021 Software Developer/Engineering positions